

# PHP Introduction

PHP Code is executed on server side.

What should you already know.

- HTML
- CSS
- JS

What is PHP

- php is an acronym for "PHP": Hypertext processor.
- php is widely used, open source scripting language.
- php script is executed on server.
- php is free download & use.

## Basic PHP Syntax:

A php script can be placed anywhere in the document.

A php script starts with `<?php` & ends with `?>`:

```
<?php  
// php code goes here  
?>
```



The default file extension for php files is .php.

A php file normally contain HTML tags, & some php scripting code.

### Comments in php

A Comment in php code is a line that is not executed as a part of the program.



# PHP Variables

Variables are Containers for storing information.

- In php, a Variables start with the \$ sign, followed by the variables.

## Output Variables :

The php variables echo statement is often used to output data to the screen.

## Example :-

```
<?php  
$text = "Tees Agrawal"  
echo "I Love $text";  
?>
```



## PHP Data Type :-

Variables can store data of different types, & different data type can do different things.

PHP support the following data Type:

- Strings
- Integer
- float
- Boolean
- Array
- Object
- Null
- Resource.

### A] PHP Strings :

- A strings is a sequence of characters, like "Hello Tejas".
- A string can be any text inside quote. you can single or double quotes.



Example :

```
<?php
$x = "Tejas Agrawal"
echo "<br>" ;
?>
```

## B] php Integer

An Integer data type is a non-decimal number between -2,147,483,648 & 2,147,483,647.

Rules for Integer :

- An Integer must have at least one digit.
- An Integer must not have a decimal point.
- An Integer can be either positive or negative.

In the following example \$x is an integer. The php var\_dump() function return the data type & value.

Example :

```
<?php
$x = 5985
var_dump($x);
?>
```



## PHP Float

A float is a (floating point number) is a number with a decimal point number in exponential form.

Example:

```
<?php
```

```
$x = 10.365;
```

```
var_dump($x);
```

```
?>
```

## PHP Boolean

A Boolean represent two possible states: True or false.

```
$x = true;
```

```
$x = false;
```

## PHP Array

An array store multiple value in one single variable



Example :

```
<?php
```

```
$cars = array("BMW", "Toyota", "Maruti");
```

```
var_dump($cars);
```

```
?>
```